

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/018339

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ A61L27/38, C12N5/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int.Cl⁷ A61L27/38, C12N5/06Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Jitsuyo Shinan Koho 1926-1996 Jitsuyo Shinan Toroku Koho 1996-2005
Kokai Jitsuyo Shinan Koho 1971-2005 Toroku Jitsuyo Shinan Koho 1994-2005Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
CAPLUS/MEDLINE/BIOSIS/EMBASE (STN)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2001-512304 A (Osiris Therapeutics, Inc.), 21 August, 2001 (21.08.01), Claim 13 & AU 9855911 A & CA 2274122 C & EP 948255 A1 & US 2003/026786 A1 & WO 98/32333 A1	1-9
Y	MARLOVITS, S. et al., Tissue engineering of human articular cartilage in rotating-wall vessels, International Journal of Artificial Organs, 2002, Vol.25, No.7, page 676	1-9
Y	MARLOVITS, S. et al., Three-dimensional culture of human articular chondrocytes in rotating-wall vessels, FASEB Journal, 1999, Vol.13, No.4, PART 1, page A427	1-9

 Further documents are listed in the continuation of Box C. See patent family annex.

- * Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search
07 February, 2005 (07.02.05)Date of mailing of the international search report
22 February, 2005 (22.02.05)Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	PREWETT, T.L. et al., Three-dimensional culture of bovine chondrocytes in rotating-wall vessels, In Vitro Cellular and Developmental Biology Animal, 1994, Vol.30A, No.3, PART 2, page 109	1-9
Y	FREED, L.E. et al., Microgravity tissue engineering, In Vitro Cellular and Developmental Biology Animal, 1994, Vol.33, No.5, pages 381 to 385	1-9
Y	JP 2003-009852 A (Mitsubishi Heavy Industries, Ltd.), 14 January, 2003 (14.01.03), Par Nos. [0016], [0019] (Family: none)	1-9